

APR 25 2003

Sheet 1 of 1 (4/25/2003)

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY DOCKET NO.
0171-0819P

APPLICATION NO.
10/073,415

APPLICANT
SHINAGAWA et al.

FILING DATE
February 13, 2002

GROUP
1756

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>AR</i>	US 4,563,407		January 7, 1986	Matsui et al.	430	5	
<i>AR</i>	US 4,096,026	-	June 20, 1978	Takeuchi	156	656	
	US						
	US						
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	US						
	US						
	US						

RECEIVED
APR 28 2003
GROUP 1700

FOREIGN PATENT DOCUMENTS

Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
<i>AR</i> EPO	1 152 291	A2	November 7, 2001	Europe			YES NO

OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

English Language Abstract of JP-59-087458 A (May 21, 1984).

English Language Abstract of JP-60-103350 (June 7, 1985).

English Language Abstract of JP-61-176934 (August 8, 1986).

English Language Abstract of JP-04-009847 (January 14, 1992).

EXAMINER

DATE CONSIDERED

8/21/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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